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NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	FEB 25	CA/CAPLUS - Russian Agency for Patents and Trademarks (ROSPATENT) added to list of core patent offices covered
NEWS	4	FEB 28	PATDPAFULL - New display fields provide for legal status data from INPADO
NEWS	5	FEB 28	BABS - Current-awareness alerts (SDIs) available
NEWS	6	FEB 28	MEDLINE/LMEDLINE reloaded
NEWS	7	MAR 02	GBFULL: New full-text patent database on STN
NEWS	8	MAR 03	REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS	9	MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS	10	MAR 22	KOREAPAT now updated monthly; patent information enhanced
NEWS	11	MAR 22	Original IDE display format returns to REGISTRY/ZREGISTRY
NEWS	12	MAR 22	PATDPASPC - New patent database available
NEWS	13	MAR 22	REGISTRY/ZREGISTRY enhanced with experimental property tags
NEWS	14	APR 04	EPPFULL enhanced with additional patent information and new fields
NEWS	15	APR 04	EMBASE - Database reloaded and enhanced
NEWS	16	APR 18	New CAS Information Use Policies available online
NEWS	17	APR 25	Patent searching, including current-awareness alerts (SDIs), based on application date in CA/CAPLUS and USPATFULL/USPAT2 may be affected by a change in filing date for U.S. applications.
NEWS	18	APR 28	Improved searching of U.S. Patent Classifications for U.S. patent records in CA/CAPLUS
NEWS EXPRESS			JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005
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NEWS INTER			General Internet Information
NEWS LOGIN			Welcome Banner and News Items
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=> s tiotropium and (powder? or partic?)
2 FILES SEARCHED...

L1 736 TIOTROPIUM AND (POWDER? OR PARTIC?)

=> s l1 and inhal?

L2 677 L1 AND INHAL?

=> s l2 and COPD

L3 393 L2 AND COPD

=> s l3 and asthma

L4 290 L3 AND ASTHMA

=> s l4 and excipient#

L5 208 L4 AND EXCIPIENT#

=> s l5 and (particle size)

L6 108 L5 AND (PARTICLE SIZE)

=> s l6 and (tiotropium bromide)

L7 80 L6 AND (TIOTROPIUM BROMIDE)

=> s l7 and (tiotropium bromide monohydrate)

L8 48 L7 AND (TIOTROPIUM BROMIDE MONOHYDRATE)

=> s l8 and (lactose monohydrate)

L9 37 L8 AND (LACTOSE MONOHYDRATE)

=> d l9 1-37 ibib abs

L9 ANSWER 1 OF 37 USPATFULL on STN

ACCESSION NUMBER: 2005:125030 USPATFULL
 TITLE: Combination of a PDE4 inhibitor and **tiotropium**
 or derivative thereof for treating obstructive airways
 and other inflammatory diseases
 INVENTOR(S): Armstrong, Roisin A., Mystic, CT, UNITED STATES
 Watson, John W., Ledyard, CT, UNITED STATES
 Yeadon, Michael, Sandwich, UNITED KINGDOM
 PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma GmbH & Co. KG, Ingelheim,
 GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005107420	A1	20050519
APPLICATION INFO.:	US 2003-715177	A1	20031117 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. WO 2002-EP5643, filed on 23 May 2002, UNKNOWN		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	MICHAEL P. MORRIS, BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD, P. O. BOX 368, RIDGEFIELD, CT, 06877-0368, US		
NUMBER OF CLAIMS:	34		
EXEMPLARY CLAIM:	1		
LINE COUNT:	3859		

AB The present invention relates to a combination of therapeutic agents
 useful in the treatment of obstructive airways and other inflammatory
 diseases comprising (I) a PDEIV inhibitor that is therapeutically
 effective in the treatment of said diseases when administered by
inhalation; together with (II) an anti-cholinergic agent
 comprising a member selected from the group consisting of
tiotropium and derivatives thereof that is therapeutically
 effective in the treatment of said diseases when administered by
inhalation; as well as to a method of treating said obstructive
 airways and other inflammatory diseases comprising administering to said
 mammal by **inhalation** a therapeutically effective amount of
 said combination of therapeutic agents; and a pharmaceutical composition
 comprising a pharmaceutically acceptable carrier together with said
 combination of therapeutic agents; and a package containing a
 pharmaceutical composition for insertion into a device capable of
 simultaneous or sequential delivery of said pharmaceutical composition
 in the form of an aerosol or dry **powder** dispersion to said
 mammal, where said device is a metered dose **inhaler** or a dry
powder inhaler. It is preferred that said
 anti-cholinergic agent component be **tiotropium bromide**

L9 ANSWER 2 OF 37 USPATFULL on STN

ACCESSION NUMBER: 2005:98542 USPATFULL
 TITLE: Capsules containing **inhalable**
tiotropium
 INVENTOR(S): Hochrainer, Dieter, Schmallerberg, GERMANY, FEDERAL
 REPUBLIC OF
 Bechtold-Peters, Karoline, Biberach-Risseegg, GERMANY,
 FEDERAL REPUBLIC OF
 Trunk, Michael, Ingelheim am Rhein, GERMANY, FEDERAL
 REPUBLIC OF
 Walz, Michael, Bingen am Rhein, GERMANY, FEDERAL
 REPUBLIC OF
 PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma KG, Ingelheim, GERMANY,
 FEDERAL REPUBLIC OF (non-U.S. corporation)

NUMBER	KIND	DATE
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PATENT INFORMATION: US 2005084457 A1 20050421
 APPLICATION INFO.: US 2004-901790 A1 20040729 (10)
 RELATED APPLN. INFO.: Continuation of Ser. No. US 2002-159451, filed on 31 May 2002, PENDING

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2001-126924	20010601
	US 2001-304288P	20010709 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD, P. O. BOX 368, RIDGEFIELD, CT, 06877, US	
NUMBER OF CLAIMS:	29	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	1 Drawing Page(s)	
LINE COUNT:	814	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to capsules for **inhalation** (**inhalettes**) made from specific capsule materials with a reduced moisture content, which contain the active substance **tiotropium** in the form of **powdered** preparations and are characterised by increased stability.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 3 OF 37 USPATFULL on STN

ACCESSION NUMBER: 2005:11722 USPATFULL

TITLE: **Powder** formulations containing

tiotropium suitable for **inhalation**

INVENTOR(S): Banholzer, Rolf, Stuttgart, GERMANY, FEDERAL REPUBLIC OF
 Graulich, Manfred, Waldalgesheim, GERMANY, FEDERAL REPUBLIC OF
 Kulinna, Christian, Attenweiler, GERMANY, FEDERAL REPUBLIC OF
 Mathes, Andreas, Ockenheim, GERMANY, FEDERAL REPUBLIC OF
 Meissner, Helmut, Ingelheim, GERMANY, FEDERAL REPUBLIC OF
 Sieger, Peter, Mittelbiberach, GERMANY, FEDERAL REPUBLIC OF
 Specht, Peter, Ober-Hilbersheim, GERMANY, FEDERAL REPUBLIC OF
 Trunk, Michael Josef Friedrich, Ingelheim/Rhein, GERMANY, FEDERAL REPUBLIC OF
 PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma GmbH & Co. KG, Ingelheim, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005009857	A1	20050113
APPLICATION INFO.:	US 2004-899782	A1	20040727 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 2003-406723, filed on 3 Apr 2003, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	EP 2002-7634	20020404
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD,	

P. O. BOX 368, RIDGEFIELD, CT, 06877

NUMBER OF CLAIMS: 19
EXEMPLARY CLAIM: CLM-01-14
LINE COUNT: 534

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method of making a physically stable and homogenous **powdered** pharmaceutical composition comprising a **tiotropium** salt and a physiologically acceptable **excipient**, the method comprising:

(a) suspending the **tiotropium** salt and the physiologically acceptable **excipient** in a suspending agent in which the **tiotropium** salt and the physiologically acceptable **excipient** are essentially insoluble to obtain a suspension; and

(b) removing the suspending agent from the suspension of step (a) to obtain the pharmaceutical composition,

the pharmaceutical composition itself, and method of treating respiratory diseases, especially chronic obstructive pulmonary disease and **asthma**, in a patient in need thereof by administering an effective amount of the pharmaceutical composition to the patient.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 4 OF 37 USPATFULL on STN

ACCESSION NUMBER: 2004:335775 USPATFULL
TITLE: Novel medicament compositions based on anticholinesterase drugs and on ciclesonides
INVENTOR(S): Montague, Christopher John, Maselheim, GERMANY, FEDERAL REPUBLIC OF
Pairet, Michel, Biberach, GERMANY, FEDERAL REPUBLIC OF
Pieper, Michael P, Biberach, GERMANY, FEDERAL REPUBLIC OF
OF

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004266869	A1	20041230
APPLICATION INFO.:	US 2004-465921	A1	20040826 (10)
	WO 2001-EP14579		20011212

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2000-10062712	20001215
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD, P. O. BOX 368, RIDGEFIELD, CT, 06877	
NUMBER OF CLAIMS:	33	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	3 Drawing Page(s)	
LINE COUNT:	845	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to novel medicament compositions based on anticholinesterase drugs and on ciclesonides, to methods for the production thereof, and to their use in treating respiratory tract diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 5 OF 37 USPATFULL on STN

ACCESSION NUMBER: 2004:291726 USPATFULL
TITLE: **Inhalable powder** containing **tiotropium**

INVENTOR(S): Bechtold-Peters, Karoline, Biberach an der Rib,
GERMANY, FEDERAL REPUBLIC OF
Walz, Michael, Bingen am Rhein, GERMANY, FEDERAL
REPUBLIC OF
Boeck, Georg, Mainz, GERMANY, FEDERAL REPUBLIC OF
Doerr, Rolf, Ober-Olm, GERMANY, FEDERAL REPUBLIC OF
PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma KG, Ingelheim, GERMANY,
FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004228806	A1	20041118
APPLICATION INFO.:	US 2003-729543	A1	20031205 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2001-975418, filed on 11 Oct 2001, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2000-DE10050635	20001012
	US 2000-252683P	20001122 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD, P. O. BOX 368, RIDGEFIELD, CT, 06877	
NUMBER OF CLAIMS:	57	
EXEMPLARY CLAIM:	1	
LINE COUNT:	695	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to **powdered** preparations containing **tiotropium** for **inhalation**, processes for preparing them as well as their use in preparing a pharmaceutical composition for the treatment of respiratory complaints, **particularly** for the treatment of **COPD** (chronic obstructive pulmonary disease) and **asthma**.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 6 OF 37 USPATFULL on STN

ACCESSION NUMBER: 2004:227952 USPATFULL

TITLE: Pharmaceutical compositions based on anticholinergics and corticosteroids

INVENTOR(S): Pairet, Michel, Biberach, GERMANY, FEDERAL REPUBLIC OF
Pieper, Michael P., Biberach, GERMANY, FEDERAL REPUBLIC OF
Meade, Christopher John Montague, Bingen, GERMANY, FEDERAL REPUBLIC OF
Reichl, Richard, Gau-Algesheim, GERMANY, FEDERAL REPUBLIC OF
Schmelzer, Christel, Ingelheim, GERMANY, FEDERAL REPUBLIC OF

PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma KG, Ingelheim, GERMANY,
FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004176338	A1	20040909
APPLICATION INFO.:	US 2004-776757	A1	20040211 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2001-86145, filed on 19 Oct 2001, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2000-10054042	20001031

DE 2000-10062712 20001215
US 2000-257220P 20001221 (60)
US 2000-253613P 20001128 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD,
P. O. BOX 368, RIDGEFIELD, CT, 06877
NUMBER OF CLAIMS: 66
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 3 Drawing Page(s)
LINE COUNT: 992

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A pharmaceutical composition comprising an anticholinergic and a steroid, optionally together with a pharmaceutically acceptable **excipient**, the anticholinergic and the steroid optionally in the form of their enantiomers, mixtures of their enantiomers, their racemates, their solvates, or their hydrates, processes for preparing them, and their use in the treatment of respiratory tract diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 7 OF 37 USPATFULL on STN

ACCESSION NUMBER: 2004:208955 USPATFULL
TITLE: Pharmaceutical compositions based on anticholinergic and dopamine agonists
INVENTOR(S): Pairet, Michel, Biberach, GERMANY, FEDERAL REPUBLIC OF
Pieper, Michael P., Biberach, GERMANY, FEDERAL REPUBLIC OF
Meade, Christopher J. Montague, Maselheim, GERMANY, FEDERAL REPUBLIC OF
PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma KG, Ingelheim, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004161386	A1	20040819
APPLICATION INFO.:	US 2004-775901	A1	20040210 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2001-27662, filed on 20 Dec 2001, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2000-DE10063957	20001220
	US 2000-257221P	20001221 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD, P. O. BOX 368, RIDGEFIELD, CT, 06877	
NUMBER OF CLAIMS:	48	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	3 Drawing Page(s)	
LINE COUNT:	1017	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel pharmaceutical compositions based on anticholinergics and dopamine agonists, processes for preparing them and their use in the treatment of respiratory tract diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 8 OF 37 USPATFULL on STN

ACCESSION NUMBER: 2004:197414 USPATFULL
TITLE: Powdered medicaments containing a
tiotropium salt and salmeterol xinafoate

INVENTOR(S): Hartig, Mareke, Ingelheim, GERMANY, FEDERAL REPUBLIC OF
 Trunk, Michael, Ingelheim, GERMANY, FEDERAL REPUBLIC OF
 Soyka, Rainer, Biberach, GERMANY, FEDERAL REPUBLIC OF
 Sieger, Peter, Mittelbiberach, GERMANY, FEDERAL
 REPUBLIC OF
 Graebner, Hagen, Ingelheim, GERMANY, FEDERAL REPUBLIC
 OF
 Walz, Michael, Bingen, GERMANY, FEDERAL REPUBLIC OF
 PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma GmbH & Co. KG, Ingelheim,
 GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004152720	A1	20040805
APPLICATION INFO.:	US 2003-736264	A1	20031215 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2002-DE10259912	20021220
	US 2003-446670P	20030211 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD, P. O. BOX 368, RIDGEFIELD, CT, 06877	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	1348	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

AB The invention relates to **powdered** preparations for
inhalation containing a **tiotropium** salt and salmeterol
 xinafoate, processes for preparing them and their use in the preparation
 of a pharmaceutical composition for treating respiratory diseases,
particularly for treating **COPD** (chronic obstructive
 pulmonary disease) and **asthma**.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 9 OF 37 USPATFULL on STN

ACCESSION NUMBER: 2004:196466 USPATFULL
 TITLE: Pharmaceutical compositions based on anticholinergics
 and NK1-receptor antagonists
 INVENTOR(S): Pairet, Michel, Biberach, GERMANY, FEDERAL REPUBLIC OF
 Pieper, Michael P., Biberach, GERMANY, FEDERAL REPUBLIC
 OF
 Meade, Christopher J. M., Bingen, GERMANY, FEDERAL
 REPUBLIC OF
 PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma KG, Ingelheim, GERMANY,
 FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004151770	A1	20040805
APPLICATION INFO.:	US 2004-763894	A1	20040123 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2003-419358, filed on 21 Apr 2003, GRANTED, Pat. No. US 6696042 Continuation of Ser. No. US 2002-92116, filed on 6 Mar 2002, GRANTED, Pat. No. US 6620438		

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2001-DE111058	20010308
	US 2001-281653P	20010405 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD,
P. O. BOX 368, RIDGEFIELD, CT, 06877
NUMBER OF CLAIMS: 14
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 3 Drawing Page(s)
LINE COUNT: 1344

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel pharmaceutical compositions based on anticholinergics and NK.sub.1-receptor antagonists, processes for preparing them and their use in the treatment of respiratory tract diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 10 OF 37 USPATFULL on STN

ACCESSION NUMBER: 2004:179137 USPATFULL

TITLE: Dihydroxymethylphenyl derivatives, processes for preparing them, and their use as pharmaceuticals
INVENTOR(S): Konetzki, Ingo, Warthausen, GERMANY, FEDERAL REPUBLIC OF
Schromm, Kurt, Ingelheim am Rhein, GERMANY, FEDERAL REPUBLIC OF
Schollenberger, Hermann, Ingelheim am Rhein, GERMANY, FEDERAL REPUBLIC OF
Pestel, Sabine, Biberach, GERMANY, FEDERAL REPUBLIC OF
Schnapp, Andreas, Biberach, GERMANY, FEDERAL REPUBLIC OF
Bouyssou, Thierry, Mietingen, GERMANY, FEDERAL REPUBLIC OF
Buettner, Frank, Ummendorf, GERMANY, FEDERAL REPUBLIC OF
Heine, Claudia, Biberach, GERMANY, FEDERAL REPUBLIC OF
PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma GmbH & Co. KG, Ingelheim, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004138307	A1	20040715
APPLICATION INFO.:	US 2003-697525	A1	20031030 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2002-DE10253220	20021115
	US 2002-434053P	20021217 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD,
P. O. BOX 368, RIDGEFIELD, CT, 06877

NUMBER OF CLAIMS: 17
EXEMPLARY CLAIM: 1
LINE COUNT: 784

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A compound of formula 1 ##STR1##

wherein the groups R.sup.1, R.sup.2, R.sup.3, and R.sup.4 may have the meanings given in the claims and in the specification, processes for preparing them, and their use as pharmaceutical compositions, **particularly** for the treatment of inflammatory and obstructive respiratory complaints.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 11 OF 37 USPATFULL on STN

ACCESSION NUMBER: 2004:177755 USPATFULL

TITLE: **Tiotropium** containing **powder**
formulation for **inhalation**

INVENTOR(S): Hartig, Mareke, Ingelheim, GERMANY, FEDERAL REPUBLIC OF
Trunk, Michael, Ingelheim, GERMANY, FEDERAL REPUBLIC OF
Walz, Michael, Bingen, GERMANY, FEDERAL REPUBLIC OF

PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma GmbH & Co. KG, Ingelheim,
GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004136919	A1	20040715
APPLICATION INFO.:	US 2003-718404	A1	20031120 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2002-DE10255387	20021128
	US 2003-446669P	20030211 (60)

DOCUMENT TYPE:

Utility

FILE SEGMENT:

APPLICATION

LEGAL REPRESENTATIVE: BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD,
P. O. BOX 368, RIDGEFIELD, CT, 06877

NUMBER OF CLAIMS: 11

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 1 Drawing Page(s)

LINE COUNT: 825

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to **powdered** preparations containing
tiotropium for **inhalation**, processes for preparing
them as well as their use in preparing a pharmaceutical composition for
the treatment of respiratory complaints, **particularly** for the
treatment of **COPD** (chronic obstructive pulmonary disease) and
asthma.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 12 OF 37 USPATFULL on STN

ACCESSION NUMBER: 2004:172595 USPATFULL

TITLE: **Tiotropium**-containing pharmaceutical
combination for **inhalation**

INVENTOR(S): Konetzki, Ingo, Warthausen, GERMANY, FEDERAL REPUBLIC
OF
Meade, Christopher J. Montague, Bingen, GERMANY,
FEDERAL REPUBLIC OF
Pairet, Michel, Biberach, GERMANY, FEDERAL REPUBLIC OF
Pieper, Michael P., Biberach, GERMANY, FEDERAL REPUBLIC
OF

PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma GmbH & Co. KG, Ingelheim,
GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004132759	A1	20040708
APPLICATION INFO.:	US 2003-717868	A1	20031119 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2002-10256080	20021129
	US 2003-446668P	20030211 (60)

DOCUMENT TYPE:

Utility

FILE SEGMENT:

APPLICATION

LEGAL REPRESENTATIVE: BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD,
P. O. BOX 368, RIDGEFIELD, CT, 06877

NUMBER OF CLAIMS: 15

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 3 Drawing Page(s)

LINE COUNT: 1159

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to new pharmaceutical compositions for
inhalation containing one or more, preferably one,
tiotropium salt combined with one or more pharmacologically
acceptable acid addition salts of a compound of formula 2', ##STR1##

wherein the groups R.sup.1, R.sup.2, R.sup.3 and R.sup.4 may have the
meanings given in the claims and in the specification, processes for
preparing them and their use in the treatment of respiratory complaints.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 13 OF 37 USPATFULL on STN

ACCESSION NUMBER: 2004:133933 USPATFULL

TITLE: Method for improving the ability of patients suffering
from lung diseases to **participate** in and
benefit from pulmonary rehabilitation programs

INVENTOR(S): Disse, Bernd, Mainz am Rhein, GERMANY, FEDERAL REPUBLIC
OF
Kesten, Steven, Southbury, CT, UNITED STATES

PATENT ASSIGNEE(S): Witek, Theodore, Oberusel, GERMANY, FEDERAL REPUBLIC OF
Boehringer Ingelheim Pharma GmbH & Co. KG, Ingelheim,
GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)
Boehringer Ingelheim Pharmaceuticals, Inc., Ridgefield,
CT (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004102470	A1	20040527
APPLICATION INFO.:	US 2003-640921	A1	20030814 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-410622P	20020913 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD,
P. O. BOX 368, RIDGEFIELD, CT, 06877

NUMBER OF CLAIMS: 8

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 1 Drawing Page(s)

LINE COUNT: 700

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method for improving the ability of a patient suffering from a lung
disease to **participate** in and benefit from a pulmonary
rehabilitation program, the method comprising administering to the
patient a therapeutically effective amount of a **tiotropium**
salt.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 14 OF 37 USPATFULL on STN

ACCESSION NUMBER: 2004:133932 USPATFULL

TITLE: Method for reducing the mortality rate

INVENTOR(S): Disse, Bernd, Mainz am Rhein, GERMANY, FEDERAL REPUBLIC
OF
Kesten, Steven, Southbury, CT, UNITED STATES

PATENT ASSIGNEE(S): Witek, Theodore, Oberursel, GERMANY, FEDERAL REPUBLIC OF
Boehringer Ingelheim Pharma GmbH & Co. KG, Ingelheim, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)
Boehringer Ingelheim Pharmaceuticals, Inc., Ridgefield, CT (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004102469	A1	20040527
APPLICATION INFO.:	US 2003-640887	A1	20030814 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-410623P	20020913 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD, P. O. BOX 368, RIDGEFIELD, CT, 06877	
NUMBER OF CLAIMS:	10	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	1 Drawing Page(s)	
LINE COUNT:	699	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method for reducing the mortality rate in a patient comprising administering to the patient a therapeutically effective amount of a **tiotropium** salt.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 15 OF 37 USPATFULL on STN
ACCESSION NUMBER: 2004:51580 USPATFULL
TITLE: Compounds for treating inflammatory diseases
INVENTOR(S): Disse, Bernd, Mainz, GERMANY, FEDERAL REPUBLIC OF
PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma KG, Ingelheim, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004039011	A1	20040226
APPLICATION INFO.:	US 2003-644333	A1	20030820 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2001-111843	20010313
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD, P. O. BOX 368, RIDGEFIELD, CT, 06877	
NUMBER OF CLAIMS:	8	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	3 Drawing Page(s)	
LINE COUNT:	666	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to the use of (1 α .2 β ,4 β .5 α .7 β)-7-[(hydroxydi-2-thienylacetyl)oxy]-9,9-dimethyl-3-oxa-9-azoniatricyclo[3.3.1.0^{sup}.2,4] nonane salts for preparing a pharmaceutical composition for the prevention and treatment of diseases associated with inflammation.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 16 OF 37 USPATFULL on STN

ACCESSION NUMBER: 2004:39365 USPATFULL
 TITLE: Powder formulations containing
tiotropium suitable for **inhalation**
 INVENTOR(S): Banholzer, Rolf, Stuttgart, GERMANY, FEDERAL REPUBLIC
 OF
 Graulich, Manfred, Waldalgesheim, GERMANY, FEDERAL
 REPUBLIC OF
 Kulinna, Christian, Attenweiler, GERMANY, FEDERAL
 REPUBLIC OF
 Mathes, Andreas, Ockenheim, GERMANY, FEDERAL REPUBLIC
 OF
 Meissner, Helmut, Ingelheim, GERMANY, FEDERAL REPUBLIC
 OF
 Sieger, Peter, Mittelbiberach, GERMANY, FEDERAL
 REPUBLIC OF
 Specht, Peter, Ober-Hilbersheim, GERMANY, FEDERAL
 REPUBLIC OF
 Trunk, Michael Josef Friedrich, Ingelheim, GERMANY,
 FEDERAL REPUBLIC OF
 PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma GmbH & Co. KG, Ingelheim,
 GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004029907	A1	20040212
	US 6881422	B2	20050419
APPLICATION INFO.:	US 2003-406723	A1	20030403 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	EP 2002-7634	20020404
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD, P. O. BOX 368, RIDGEFIELD, CT, 06877	
NUMBER OF CLAIMS:	32	
EXEMPLARY CLAIM:	1	
LINE COUNT:	571	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method of making a physically stable and homogenous **powdered** pharmaceutical composition comprising a **tiotropium** salt and a physiologically acceptable **excipient**, the method comprising:

(a) suspending the **tiotropium** salt and the physiologically acceptable **excipient** in a suspending agent in which the **tiotropium** salt and the physiologically acceptable **excipient** are essentially insoluble to obtain a suspension; and

(b) removing the suspending agent from the suspension of step (a) to obtain the pharmaceutical composition,

the pharmaceutical composition itself, and method of treating respiratory diseases, especially chronic obstructive pulmonary disease and **asthma**, in a patient in need thereof by administering an effective amount of the pharmaceutical composition to the patient.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 17 OF 37 USPATFULL on STN
 ACCESSION NUMBER: 2004:31865 USPATFULL
 TITLE: Pharmaceutical compositions based on anticholinergics
 and PDE-IV inhibitors
 INVENTOR(S): Pairet, Michel, Stromberg, GERMANY, FEDERAL REPUBLIC OF

Meade, Christopher J. M., Bingen, GERMANY, FEDERAL
 REPUBLIC OF
 Pieper, Michael P., Ingelheim, GERMANY, FEDERAL
 REPUBLIC OF
 PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma KG, Ingelheim, GERMANY,
 FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004024007	A1	20040205
APPLICATION INFO.:	US 2003-613783	A1	20030703 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2002-93240, filed on 7 Mar 2002, ABANDONED		

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2001-110772	20010307
	US 2001-281857P	20010405 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD, P. O. BOX 368, RIDGEFIELD, CT, 06877	
NUMBER OF CLAIMS:	13	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	3 Drawing Page(s)	
LINE COUNT:	1024	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		
AB	The present invention relates to novel pharmaceutical compositions based on anticholinergics and PDE-IV inhibitors, processes for preparing them and their use in the treatment of respiratory tract diseases.	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 18 OF 37 USPATFULL on STN

ACCESSION NUMBER: 2004:2487 USPATFULL

TITLE: Crystalline micronisate, process for the manufacture thereof and use thereof for the preparation of a medicament

INVENTOR(S): Bender, Helmut, Wiesbaden, GERMANY, FEDERAL REPUBLIC OF
 Graebner, Hagen, Ingelheim, GERMANY, FEDERAL REPUBLIC OF
 Schindler, Konrad, Ingelheim, GERMANY, FEDERAL REPUBLIC OF
 Trunk, Michael, Ingelheim, GERMANY, FEDERAL REPUBLIC OF
 Walz, Michael, Bingen, GERMANY, FEDERAL REPUBLIC OF

PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma GmbH & Co. KG, Ingelheim, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004002510	A1	20040101
APPLICATION INFO.:	US 2003-385175	A1	20030310 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2002-10212264	20020320
	US 2002-413129P	20020924 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD, P. O. BOX 368, RIDGEFIELD, CT, 06877	
NUMBER OF CLAIMS:	18	
EXEMPLARY CLAIM:	1	

LINE COUNT: 880

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to a crystalline micronisate of (1 α ,2 β ,4 β ,5 α ,7 β)-7-[(hydroxydi-2-thienylacetyl)oxy]-9,9-dimethyl-3-oxa-9-azoniatricyclo[3.3.1.0^{sup}.2,4]nonane-bromide, processes for preparing it and its use for preparing a pharmaceutical composition, **particularly** for preparing a pharmaceutical composition with an anticholinergic activity.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 19 OF 37 USPATFULL on STN

ACCESSION NUMBER: 2003:334663 USPATFULL

TITLE: Method for the administration of an anticholinergic by **inhalation**

INVENTOR(S): Zierenberg, Bernd, Bingen am Rhein, GERMANY, FEDERAL REPUBLIC OF

PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma GmbH & Co. KG, Ingelheim, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003235538	A1	20031225
APPLICATION INFO.:	US 2003-407019	A1	20030404 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	EP 2002-7868	20020409
	US 2002-386794P	20020607 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD, P. O. BOX 368, RIDGEFIELD, CT, 06877	
NUMBER OF CLAIMS:	21	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	1 Drawing Page(s)	
LINE COUNT:	786	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An **inhalation** kit comprising: (a) an **inhaler** displaying a flow resistance of about 0.01 to 0.1 {square root}{square root over (kPa)} min/L; and (b) an **inhalable powder** comprising **tiotropium** in admixture with a physiologically acceptable **excipient** with an average **particle size** of between 10 to 500 μ m, and a method of administering an **inhalable powder** containing **tiotropium** in admixture with a physiologically acceptable **excipient** with an average **particle size** of between 10 μ m to 500 μ m, the method comprising actuating an **inhaler** a flow resistance of about 0.01 to 0.1 {square root}{square root over (kPa)} min/L containing the **inhalable powder**.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 20 OF 37 USPATFULL on STN

ACCESSION NUMBER: 2003:319340 USPATFULL

TITLE: Pharmaceutical compositions based on anticholinergics and p38 kinase inhibitors

INVENTOR(S): Jung, Birgit, Laupheim, GERMANY, FEDERAL REPUBLIC OF
Pairet, Michel, Biberach, GERMANY, FEDERAL REPUBLIC OF
Pieper, Michael P., Biberach, GERMANY, FEDERAL REPUBLIC OF

Reiser, Hans Clemens, New York, NY, UNITED STATES
PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma GmbH & Co. KG, Ingelheim,

GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003225089	A1	20031204
APPLICATION INFO.:	US 2003-408718	A1	20030407 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-371514P	20020410 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD, P. O. BOX 368, RIDGEFIELD, CT, 06877	
NUMBER OF CLAIMS:	31	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	3 Drawing Page(s)	
LINE COUNT:	6684	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel pharmaceutical compositions based on anticholinergics and p38 kinase inhibitors, processes for preparing them and their use in the treatment of respiratory diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 21 OF 37 USPATFULL on STN

ACCESSION NUMBER: 2003:300849 USPATFULL

TITLE: PHARMACEUTICAL COMPOSITIONS BASED ON ANTICHOLINERGICS AND NK1-RECEPTOR ANTAGONISTS

INVENTOR(S): Pairet, Michel, Stromberg, GERMANY, FEDERAL REPUBLIC OF
Pieper, Michael P., Ingelheim, GERMANY, FEDERAL REPUBLIC OF
Meade, Christopher J. M., Bingen, GERMANY, FEDERAL REPUBLIC OF

PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma KG, Ingelheim, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003212075	A1	20031113
	US 6696042	B2	20040224
APPLICATION INFO.:	US 2003-419358	A1	20030421 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2002-92116, filed on 6 Mar 2002, GRANTED, Pat. No. US 6620438		

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2001-DE111058	20010308
	US 2001-281653P	20010405 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD, P. O. BOX 368, RIDGEFIELD, CT, 06877	
NUMBER OF CLAIMS:	14	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	3 Drawing Page(s)	
LINE COUNT:	1342	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel pharmaceutical compositions based on anticholinergics and NK.sub.1-receptor antagonists, processes for preparing them and their use in the treatment of respiratory tract diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 22 OF 37 USPATFULL on STN

ACCESSION NUMBER: 2003:289166 USPATFULL
TITLE: Pharmaceutical compositions based on anticholinergics
and endothelin antagonists
INVENTOR(S): Meade, Christopher J. M., Bingen, GERMANY, FEDERAL
REPUBLIC OF
Pairet, Michel, Stromberg, GERMANY, FEDERAL REPUBLIC OF
Pieper, Michael P., Ingelheim, GERMANY, FEDERAL
REPUBLIC OF
PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma KG, Ingelheim, GERMANY,
FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003203925	A1	20031030
APPLICATION INFO.:	US 2003-413065	A1	20030414 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2002-100659, filed on 18 Mar 2002, GRANTED, Pat. No. US 6608054		

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2001-113366	20010320
	US 2001-281874P	20010405 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD, P. O. BOX 368, RIDGEFIELD, CT, 06877	
NUMBER OF CLAIMS:	15	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	3 Drawing Page(s)	
LINE COUNT:	938	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel pharmaceutical compositions based
on anticholinergics and endothelin antagonists, processes for preparing
them and their use in the treatment of respiratory tract diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 23 OF 37 USPATFULL on STN

ACCESSION NUMBER: 2003:289159 USPATFULL
TITLE: Pharmaceutical composition comprising an
anticholinergic and a heterocyclic compound
INVENTOR(S): Meade, Christopher John Montague, Bingen, GERMANY,
FEDERAL REPUBLIC OF
Pairet, Michel, Biberach, GERMANY, FEDERAL REPUBLIC OF
Pieper, Michael P., Biberach, GERMANY, FEDERAL REPUBLIC
OF
PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma GmbH & Co. KG, Ingelheim,
GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003203918	A1	20031030
APPLICATION INFO.:	US 2003-358947	A1	20030205 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2002-DE10205274	20020208
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD,	

P. O. BOX 368, RIDGEFIELD, CT, 06877

NUMBER OF CLAIMS: 23
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 3 Drawing Page(s)
LINE COUNT: 1633

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method for treating an inflammatory or obstructive disease of the respiratory tract which comprises administering therapeutically effective amounts of both an anticholinergic and a compound of the formula (2) ##STR1##

as well as pharmaceutical compositions comprising an anticholinergic and a compound of the formula (2).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 24 OF 37 USPATFULL on STN

ACCESSION NUMBER: 2003:226383 USPATFULL

TITLE: Pharmaceutical compositions based on anticholinergics and EGFR kinase inhibitors

INVENTOR(S): Jung, Birgit, Laupheim, GERMANY, FEDERAL REPUBLIC OF
Pairet, Michel, Biberach, GERMANY, FEDERAL REPUBLIC OF
Pieper, Michael P., Biberach, GERMANY, FEDERAL REPUBLIC OF

PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma GmbH Co. KG, Ingelheim, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003158196	A1	20030821
APPLICATION INFO.:	US 2003-360064	A1	20030207 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2002-10206505	20020216
	US 2002-369213P	20020401 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD,
P. O. BOX 368, RIDGEFIELD, CT, 06877

NUMBER OF CLAIMS: 12
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 3 Drawing Page(s)
LINE COUNT: 1448

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel pharmaceutical compositions based on anticholinergics and EGFR kinase inhibitors, processes for preparing them and their use in the treatment of respiratory diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 25 OF 37 USPATFULL on STN

ACCESSION NUMBER: 2003:188507 USPATFULL

TITLE: Pharmaceutical compositions containing
tiotropium salts and low-solubility salmeterol salts

INVENTOR(S): Linz, Guenter, Mittelbiberach, GERMANY, FEDERAL
REPUBLIC OF

Soyka, Rainer, Biberach, GERMANY, FEDERAL REPUBLIC OF
PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma KG, Ingelheim, GERMANY,
FEDERAL REPUBLIC OF (non-U.S. corporation)

NUMBER	KIND	DATE
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PATENT INFORMATION:	US 2003130300	A1	20030710	
APPLICATION INFO.:	US 2002-235410	A1	20020905	(10)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2002-10209243	20020304
	DE 2001-145438	20010914
	US 2002-387060P	20020607 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD,
P. O. BOX 368, RIDGEFIELD, CT, 06877

NUMBER OF CLAIMS: 27
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 1 Drawing Page(s)
LINE COUNT: 890

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Pharmaceutical compositions and kits comprising:

(a) a **tiotropium** salt; and

(b) a salmeterol salt having a solubility in water of 0.1 mg/mL or less,

processes for preparing them, and their use in the treatment of
respiratory complaints, **asthma**, and chronic obstructive
pulmonary disease (**COPD**).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 26 OF 37 USPATFULL on STN

ACCESSION NUMBER: 2003:127712 USPATFULL

TITLE: Crystalline anticholinergic, processes for preparing it
and its use for preparing a pharmaceutical composition

INVENTOR(S): Sieger, Peter, Mittelbiberach, GERMANY, FEDERAL
REPUBLIC OF
Werthmann, Ulrike, Mittelbiberach, GERMANY, FEDERAL
REPUBLIC OF

PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma KG, Ingelheim, GERMANY,
FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003087927	A1	20030508
	US 6608055	B2	20030819
APPLICATION INFO.:	US 2002-167198	A1	20020611 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2001-129710	20010622
	DE 2002-10215436	20020408
	US 2001-313519P	20010820 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD,
P. O. BOX 368, RIDGEFIELD, CT, 06877

NUMBER OF CLAIMS: 18
EXEMPLARY CLAIM: 1
LINE COUNT: 701

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to crystalline anhydrous
(1 α ,2 β ,4 β ,5 α ,7 β)-7-[(hydroxydi-2-
thienylacetyl)oxy]-9,9-dimethyl-3-oxa-9-azoniatricyclo[3.3.1.0^{2,4}]

nonane-bromide, processes for preparing it and its use for preparing a pharmaceutical composition, **particularly** for preparing a pharmaceutical composition with an anticholinergic activity.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 27 OF 37 USPATFULL on STN

ACCESSION NUMBER: 2003:103784 USPATFULL

TITLE: Capsules containing **inhalable tiotropium**

INVENTOR(S): Hochrainer, Dieter, Bingen, GERMANY, FEDERAL REPUBLIC OF
Bechtold-Peters, Karoline, Biberach-Risseegg, GERMANY, FEDERAL REPUBLIC OF

PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma KG, Ingelheim, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003070679	A1	20030417
APPLICATION INFO.:	US 2002-159451	A1	20020531 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2001-126924	20010601
	US 2001-304288P	20010709 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD, P. O. BOX 368, RIDGEFIELD, CT, 06877	
NUMBER OF CLAIMS:	26	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	1 Drawing Page(s)	
LINE COUNT:	834	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to capsules for **inhalation** (**inhalettes**) made from specific capsule materials with a reduced moisture content, which contain the active substance **tiotropium** in the form of **powdered** preparations and are characterised by increased stability.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 28 OF 37 USPATFULL on STN

ACCESSION NUMBER: 2003:24176 USPATFULL

TITLE: Pharmaceutical compositions based on anticholinergics, corticosteroids and betamimetics

INVENTOR(S): Meade, Christopher J.M., Bingen, GERMANY, FEDERAL REPUBLIC OF
Pairet, Michel, Biberach, GERMANY, FEDERAL REPUBLIC OF
Pieper, Michael P., Bingen, GERMANY, FEDERAL REPUBLIC OF

PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma KG, Ingelheim, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003018019	A1	20030123
APPLICATION INFO.:	US 2002-173194	A1	20020617 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2001-130371	20010623

US 2001-304148P 20010710 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD,
P. O. BOX 368, RIDGEFIELD, CT, 06877
NUMBER OF CLAIMS: 13
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 3 Drawing Page(s)
LINE COUNT: 1170

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel pharmaceutical compositions based
on anticholinergics, corticosteroids and betamimetics, processes for
preparing them and their use in the treatment of respiratory diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 29 OF 37 USPATFULL on STN

ACCESSION NUMBER: 2002:338027 USPATFULL
TITLE: Compounds for treating inflammatory diseases
INVENTOR(S): Disse, Bernd, Mainz, GERMANY, FEDERAL REPUBLIC OF

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002193394	A1	20021219
APPLICATION INFO.:	US 2002-96810	A1	20020313 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2001-111843	20010313
	US 2001-281876P	20010405 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD,
P. O. BOX 368, RIDGEFIELD, CT, 06877
NUMBER OF CLAIMS: 8
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 3 Drawing Page(s)
LINE COUNT: 661

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to the use of (1 α .2 β ,4 β .5 α .7
 β)-7-[(hydroxydi-2-thienylacetyl)oxy]-9,9-dimethyl-3-oxa-9-
azoniatricyclo[3.3.1.0^{sup}.2,4] nonane salts for preparing a
pharmaceutical composition for the prevention and treatment of diseases
associated with inflammation.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 30 OF 37 USPATFULL on STN

ACCESSION NUMBER: 2002:338026 USPATFULL
TITLE: Pharmaceutical compositions based on anticholinergics
and PDE-IV inhibitors
INVENTOR(S): Pairet, Michel, Biberach, GERMANY, FEDERAL REPUBLIC OF
Meade, Christopher J. M., Bingen, GERMANY, FEDERAL
REPUBLIC OF
Pieper, Michael P., Bingen, GERMANY, FEDERAL REPUBLIC
OF

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002193393	A1	20021219
APPLICATION INFO.:	US 2002-93240	A1	20020307 (10)

NUMBER	DATE
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PRIORITY INFORMATION: DE 2001-110772 20010307
US 2001-281857P 20010405 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD,
P. O. BOX 368, RIDGEFIELD, CT, 06877
NUMBER OF CLAIMS: 13
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 3 Drawing Page(s)
LINE COUNT: 1018

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel pharmaceutical compositions based
on anticholinergics and PDE-IV inhibitors, processes for preparing them
and their use in the treatment of respiratory tract diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 31 OF 37 USPATFULL on STN

ACCESSION NUMBER: 2002:338025 USPATFULL

TITLE: Pharmaceutical compositions based on **tiotropium**
salts of salts of salmeterol

INVENTOR(S): Schmelzer, Christel, Ingelheim, GERMANY, FEDERAL
REPUBLIC OF
Nagel, Juergen, Bad Kreuznach, GERMANY, FEDERAL
REPUBLIC OF

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002193392	A1	20021219
APPLICATION INFO.:	US 2001-54567	A1	20011113 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2000-10056104	20001113
	US 2000-251603P	20001206 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD, P. O. BOX 368, RIDGEFIELD, CT, 06877	
NUMBER OF CLAIMS:	46	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	936	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A pharmaceutical composition, comprising: (a) a **tiotropium**
salt (1); and (b) a salmeterol salt (2), optionally in the form of the
enantiomers, mixtures of enantiomers, or in the form of the racemates
thereof, optionally in the form of the solvates or hydrates and
optionally together with a pharmaceutically acceptable **excipient**
, and methods of treating respiratory diseases using such a
pharmaceutical composition.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 32 OF 37 USPATFULL on STN

ACCESSION NUMBER: 2002:323179 USPATFULL

TITLE: Pharmaceutical compositions based on anticholinergics
and endothelin antagonists

INVENTOR(S): Meade, Christopher J. M., Bingen, GERMANY, FEDERAL
REPUBLIC OF
Pairet, Michel, Biberach, GERMANY, FEDERAL REPUBLIC OF
Pieper, Michael P., Bingen, GERMANY, FEDERAL REPUBLIC

OF

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002183347	A1	20021205
	US 6608054	B2	20030819
APPLICATION INFO.:	US 2002-100659	A1	20020318 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2001-113366	20010320
	US 2001-281874P	20010405 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD, P. O. BOX 368, RIDGEFIELD, CT, 06877	
NUMBER OF CLAIMS:	15	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	3 Drawing Page(s)	
LINE COUNT:	943	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		
AB	The present invention relates to novel pharmaceutical compositions based on anticholinergics and endothelin antagonists, processes for preparing them and their use in the treatment of respiratory tract diseases.	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 33 OF 37 USPATFULL on STN

ACCESSION NUMBER: 2002:323126 USPATFULL

TITLE: Pharmaceutical compositions based on anticholinergics
and corticosteroids

INVENTOR(S): Pairet, Michel, Biberach, GERMANY, FEDERAL REPUBLIC OF
Pieper, Michael P., Bingen, GERMANY, FEDERAL REPUBLIC
OF
Meade, Christopher John Montague, Bingen, GERMANY,
FEDERAL REPUBLIC OF
Reichl, Richard, Gau-Algesheim, GERMANY, FEDERAL
REPUBLIC OF
Schmelzer, Christel, Ingelheim, GERMANY, FEDERAL
REPUBLIC OF

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002183292	A1	20021205
APPLICATION INFO.:	US 2001-86145	A1	20011019 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2000-10054042	20001031
	DE 2000-10062712	20001215
	US 2000-257220P	20001221 (60)
	US 2000-253613P	20001128 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD, P. O. BOX 368, RIDGEFIELD, CT, 06877	
NUMBER OF CLAIMS:	66	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	3 Drawing Page(s)	
LINE COUNT:	989	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		
AB	A pharmaceutical composition comprising an anticholinergic and a steroid, optionally together with a pharmaceutically acceptable	

excipient, the anticholinergic and the steroid optionally in the form of their enantiomers, mixtures of their enantiomers, their racemates, their solvates, or their hydrates, processes for preparing them, and their use in the treatment of respiratory tract diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 34 OF 37 USPATFULL on STN

ACCESSION NUMBER: 2002:301636 USPATFULL

TITLE: Pharmaceutical compositions based on anticholinergics and NK1-receptor antagonists

INVENTOR(S): Pairet, Michel, Biberach, GERMANY, FEDERAL REPUBLIC OF
Pieper, Michael P., Bingen, GERMANY, FEDERAL REPUBLIC OF
Meade, Christopher J. M., Bingen, GERMANY, FEDERAL REPUBLIC OF

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002169181	A1	20021114
	US 6620438	B2	20030916
APPLICATION INFO.:	US 2002-92116	A1	20020306 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2001-DE111058	20010308
	US 2001-281653P	20010405 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD, P. O. BOX 368, RIDGEFIELD, CT, 06877	
NUMBER OF CLAIMS:	14	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	3 Drawing Page(s)	
LINE COUNT:	1338	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel pharmaceutical compositions based on anticholinergics and NK.sub.1-receptor antagonists, processes for preparing them and their use in the treatment of respiratory tract diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 35 OF 37 USPATFULL on STN

ACCESSION NUMBER: 2002:227622 USPATFULL

TITLE: Pharmaceutical compositions based on anticholinergics and dopamine agonists

INVENTOR(S): Pairet, Michel, Stromberg, GERMANY, FEDERAL REPUBLIC OF
Pieper, Michael P., Ingelheim, GERMANY, FEDERAL REPUBLIC OF
Montague Meade, Christopher J., Bingen, GERMANY, FEDERAL REPUBLIC OF

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002122773	A1	20020905
APPLICATION INFO.:	US 2001-27662	A1	20011220 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2000-DE10063957	20001220
	US 2000-257221P	20001221 (60)
DOCUMENT TYPE:	Utility	

FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD,
P. O. BOX 368, RIDGEFIELD, CT, 06877
NUMBER OF CLAIMS: 48
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 3 Drawing Page(s)
LINE COUNT: 1016
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to novel pharmaceutical compositions based
on anticholinergics and dopamine agonists, processes for preparing them
and their use in the treatment of respiratory tract diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 36 OF 37 USPATFULL on STN
ACCESSION NUMBER: 2002:205842 USPATFULL
TITLE: **Inhalable powder** containing
tiotropium
INVENTOR(S): Bechtold-Peters, Karoline, Biberach, GERMANY, FEDERAL
REPUBLIC OF
Walz, Michael, Bingen, GERMANY, FEDERAL REPUBLIC OF
Boeck, Georg, Mainz, GERMANY, FEDERAL REPUBLIC OF
Doerr, Rolf, Ober-Olm, GERMANY, FEDERAL REPUBLIC OF

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002110529	A1	20020815
APPLICATION INFO.:	US 2001-975418	A1	20011011 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2000-DE10050635	20001012
	US 2000-252683P	20001122 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD, P. O. BOX 368, RIDGEFIELD, CT, 06877	
NUMBER OF CLAIMS:	17	
EXEMPLARY CLAIM:	1	
LINE COUNT:	561	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The invention relates to **powdered** preparations containing
tiotropium for **inhalation**, processes for preparing
them as well as their use in preparing a pharmaceutical composition for
the treatment of respiratory complaints, **particularly** for the
treatment of **COPD** (chronic obstructive pulmonary disease) and
asthma.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 37 OF 37 EPFULL COPYRIGHT 2005 EPO/FIZ KA on STN

ACCESSION NUMBER: 2003:149452 EPFULL
ENTRY DATE PATENT: 20050209
ENTRY DATE PUBLICATION: 20050209
UPDATE DATE PUBLICAT.: 20050209
DATA UPDATE DATE: 20050209
DATA UPDATE WEEK: 200506
TITLE (ENGLISH): Medicament compositions comprising a heterocyclic
compound and an anticholinergic
TITLE (FRENCH): Compositions de medicaments contenant un compose
heterocyclique et un anticholinergique
TITLE (GERMAN): Arzneimitteldkompositionen enthaltend eine

INVENTOR(S) : heterocyclischen Verbindung und ein Anticholinergikum
Meade, Christopher J. Montague, Dr., Am Strudel 15,
88437 Maselheim, DE; Pairet, Michel, Dr.,
Birkenharderstr. 6, 88400 Biberach, DE; Pieper, Michael
P., Dr., Geschwister-Scholl-Str. 45, 88400 Biberach,
DE; Abe, Yuzuru, Shimotogari 1188 Nagaizumi Sunto,
411-8731 Shizuoka, JP; Miki, Ichiro, Shimotogari 1188
Nagaizumi, Sunto, Shizuoka, 411-8731, JP
PATENT APPLICANT(S) : Kyowa Hakko Kogyo Co., Ltd, 6-1, Ohtemachi 1-chome,
Chiyoda-ku, Tokyo 100-8185, JP
PATENT APPL. NUMBER: 3880820
AGENT: VOSSIUS & PARTNER, Postfach 86 07 67, 81634 Muenchen,
DE
AGENT NUMBER: 100311
LANGUAGE OF FILING: English
LANGUAGE OF PUBL.: English
LANGUAGE OF PROCEDURE: English
LANGUAGE OF TITLE: German; English; French
DOCUMENT TYPE: Patent
PATENT INFO TYPE: EPAl Application published with search report
PATENT INFORMATION:

	NUMBER	KIND	DATE
	EP 1504756	A1	20050209
DESIGNATED STATES:	AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI		
	LU MC NL PT RO SE SI SK TR		
APPLICATION INFO.:	EP 2003-17943	A	20030806
PRIORITY INFO.:	EP 2003-17943	A	20030806 *

ABEN

The present invention relates to novel pharmaceutical compositions
based on anticholinergics of the formula 1

(image, 8000.1, chemical formulae)

wherein X⁻, R¹ and Ar are defined as in claim 1, and a
heterocyclic compound of the formula 2

(image, 8000.2, chemical formulae)

Furthermore, the invention relates to processes for preparing them and their
use in the treatment of respiratory complaints.